Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)
Approved for use through 10/31/2002, OMB 0551-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sheet

DEC 2 9 2003

TRADEVA!

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

Complete if Known				
Application Number	10/705,444			
Filing Date	NOVEMBER 10, 2003			
First Named Inventor	RAY C. SMITH			
Group Art Unit	3672			
Examiner Name	F. TSAY			
Attorney Docket Number	004222 U1D2 USA			

				U.S. PATENT DOCI	JMENTS	
xaminer nitials*	Cite No.1	U.S. Paten Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear
		· · · · · · · · · · · · · · · · · · ·				
						·
		<del></del>				
				·····	- I	
				<u>-</u>		
		·				
			[			

		•		FORE	IGN PATENT DOCUMENT	rs		
Examiner Initials	Cite No.1	Office <sup>3</sup>	Foreign Patent Doci Number <sup>4</sup>	iment Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T0
$\mathcal{A}$		wo	00/61908	A1	SHELL INTERNATIONALE	10-19-00		
1		GB	2,345,308	Α	PETROLINE WELLSYSTEMS	07-05-00		lacksquare
								+
				-				
								+
				-				
		$\vdash$	-		<del></del>			1
		IL		1 1		1		

Examiner		Date	1/
Signature	from 18	Considered	127/05
·			

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box → +

PTC/SB/08A (08-00) Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCI der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute	for form 1449A/PT(	)		Comple	Complete if Known			
		0100		Application Number	UNASSIONED (0/7/	C7 44 4		
-	RMATION			Filing Date	HERPWIN 11/10/0	<b>T</b> 3′ ′		
STAT	rement b	IY API	PLICANT	First Named Inventor	RAY C. SMITH	1		
				Group Art Unit	UNASSIGNED 3672	1		
	use as many she	ets as nec	essery)	Examiner Name	UNASSICNED /SAY	1		
Sheet	1	of	2	Attorney Docket Number	004222 U1D2 USA	)		

				ILS DATENT DOCL	IMENTS	
Examiner Initials	Cite No.1	U.S. Patent D	Kind Code <sup>3</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
1		5,044,441	(# known)	RUBBO et al.	MM-OD-YYYY 09-03-91	Figures Appear
//		5,579,829		COMEAU et al.	12-03-96	
		5,620,052		TURNER	04-15-97	
T		5,865,255		HAMMETT et al.	02-02-99	·
7		6,003,607		HAGEN et al.	12-21-99	
		6,053,248		ROSS	04-25-00	
		6,125,937		LONGBOTTOM et al.	10-03-00	-
77		6,135,208		GANO et al.	10-24-00	
					·	
						·
				<u></u>		
			1 1		1	

			•	· FOR	EIGN PATENT DOCUMEN	rs		
Examiner	Cite	F	oreign Patent Doc	ument Kind Code	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Unes, Where Relevant	
Initials	No.1	Office <sup>3</sup>	Number	(if known)	Applicant of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear	₹8
77		GB	2,368,862	·   A	SMITH INTERNATIONAL, INC.	05-15-02		
<i>/</i> .			·				<del> </del>	
		<del>                                     </del>		_	•	ļ		igspace
		<del>  </del>			<del></del>	<u> </u>	<del></del>	+
		<del>  </del>				<del> </del>		+
		<del>                                     </del>		_				†
								$\Box$
		1 1	•	1			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	

Examiner		Date	1/
	L		1/2 ~ /1/
Signature	Prince S	Considered	12//05

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, OC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

<sup>&</sup>quot;EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw tine through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Occuments. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box ->	+
--	---

PTO/SB/08B (08-00)
Approved for use through 10/31/2002, OMB 0651-0031
S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to res	cond to a collection of information unless it contains a valid OMB control number.

Substitu	ite for form 1449B	PTO.		C mplete if Known		
				Application Number	MASSIGNED 10 / 705	XX
INFO	ORMATIC	ON DIS	CLOSURE	Filing Date	HERSWITH (((O)	102
STA	TEMEN	T BY A	PPLICANT	First Named Inventor	RAY C. SMITH	I 🖊
				Group Art Unit	UNASSIGNED 367C	Į
	(use as ma	ny sheets as	necessary)	Examiner Name	UNASSIGNED (S/4)	I
Sheet	2	of	2	Attorney Docket Number	004222 U1D2 USA	)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	L5		
4		SPERRY-SUN MULTILATERAL SERVICES PROFILE, "SPERRY-SUN LATCH COUPLING", dated 2000			
<del>( .                                   </del>					
			-		
	$\vdash$				
_					

Examiner Signature	France	Est	Date Considered	1/27/05

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English tanguage Translation is attached.